

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: Masayuki OKAMOTO et al. Conf.: Unassigned
Appl. No.: NEW DIVISIONAL APPLN. BASED ON U.S. PATENT
APPLICATION NO. 09/403,487 Group: Unassigned
Filed: March 10, 2004 Examiner: UNASSIGNED
For: REFLECTION LIQUID CRYSTAL DISPLAY AND
REFLECTION LIQUID CRYSTAL DISPLAY
PROVIDED WITH BUILT-IN TOUCH PANEL AND
COMPRISING THE SAME

INFORMATION DISCLOSURE STATEMENT
(SUBMISSION WITH CONTINUATION-IN-PART OR
RULE 1.53(b) CONTINUATION OR DIVISIONAL APPLICATION)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

March 19th, 2004

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, Applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications, or other information submitted for consideration by the Office are listed on the PTO-1449 form(s), attached hereto.

II. REFERENCES PREVIOUSLY CITED OR SUBMITTED

Pursuant to 37 C.F.R. § 1.98(d), consideration of information listed on the PTO-1449 form(s) is requested since any patents, publications, or other information which are listed on the PTO-1449 form(s) but for which copies are not enclosed herewith, were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120:

U.S. Appl. No(s).
09/403,487

U.S. Filing Date(s)
October 22, 1999

III. FEES

This Information Disclosure Statement is being filed concurrent with the filing of a continuation-in-part, continuation, or divisional patent application; therefore, no fee is required.

If the Examiner has any questions concerning this IDS or requires a copy of any of the references cited but not provided, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule and charge the appropriate fee to Deposit Account No. 02-2448.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fee required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By 

Terrell C. Birch, #19,382

RWD
TCB/RWD/kmr
1248-0685P

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Attachment(s) : ☒ PTO-1449(s)
☐ References
☐ Foreign Search Report
☐ Other:

(Rev. 02/12/2004)

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)	ATTY. DOCKET NO. 1248-0685P	APPLICATION NO. Unassigned (New Div of 09/403,487)
	APPLICANT Masayuki OKAMOTO et al.	
	FILING DATE March 18, 2004	GROUP Unassigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	US 6,362,862	B1	2002-03-26	Itoh et al.			
	US 5,519,523	B1	1996-05-21	Makokoro et al.			
	US 6,496,241	B1	2002-12-17	Tillin, D.			
	US 4,767,190		1988-08-30	Dir et al.			
	US 5,490,003	A	1996-02-06	Van Sprang			
	US 5,105,289		1992-04-14	Sonehara et al.			
	US 3,960,438		1976-06-01	Bonne et al.			
	US 5,220,444		1993-06-15	Mitsui et al.			
	US 5,691,791		1997-11-25	Nakamura et al.			
	US 5,684,551		1997-11-04	Nakamura et al.			
	US 5,847,789		1998-12-08	Nakamura et al.			
	US 4,701,028		1987-10-20	Clerc et al.			
	US 5,361,151		1994-11-01	Sonehara et al.			

FOREIGN PATENT DOCUMENTS

	Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
								YES	NO
	JP	05-100114	A	1993-04-23	JAPAN			ABS	
	JP	56-19610	B2	1981-05-08	JAPAN			X	
	JP	01-118805	A	1989-05-11	JAPAN			ABS	
	JP	02-042406	A	1990-02-13	JAPAN			ABS	
	JP	03-223715	A	1991-10-02	JAPAN			ABS	
	JP	05-0323371	A	1993-12-07	JAPAN			ABS	
	JP	08-220533	A	1996-08-30	JAPAN			ABS	
	JP	08-095071	A	1996-04-12	JAPAN			ABS	
	JP	09-080426	A	1997-03-28	JAPAN			ABS	
	JP	06-059258	A	1994-03-04	JAPAN			ABS	
	JP	03-033719	A	1991-02-14	JAPAN			ABS	
	JP	02-197816	A	1990-08-06	JAPAN			ABS	
	GB	1477478		1977-06-22	GREAT BRITAIN				
	EP	0811870	A2	1997-12-10	EUROPE				
	EP	0522620	A2	1993-01-13	EUROPE				
	EP	0840160	A2	1998-05-06	EUROPE				
	WO	97/15255	A1	1997-05-01	WIPO				

EP	0 079 044		1983-05-18	EP				X
EP	0 576 303		1993-12-29	EP			X	
JP	55 48733	A	1980-04-08	JP			X	
JP	2236523	A	1990-09-19	JP			X	
JP	4116515	A	1992-04-17	JP			X	
JP	5127822	A	1993-05-25	JP			X	
JP	6167708	A	1994-06-14	JP			X	
JP	611711	A	1994-01-21	JP			Abs	
JP	2236523	A	1990-09-19	JP			Abs	

OTHER DOCUMENTS

(Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.

	K.H. Yang, Euro Display 1996, LP-B, pp. 449-451, "A Self-Compensated Twisted Nematic Mode for Reflective Light Valves."
	E. Beynon et al., 1997 SID, L-34-L37 "Single Polariser Reflective Twisted Nematics."
	Wu et al., Appl. Phys. Lett 68 (11), March 11, 1996, pp. 1455-1457, "Mixed-Mode Twisted Nematic Liquid Crystal Cells for Reflective Displays."
	A. Yariv et al., 1984, pp. 62-63, John Wiley & Sons, "Optical Waves in Crystals."
	Hirakata et al., SID 1995 DIGEST, P-49, pp. 563-566, "A High-Contrast Wide-Viewing Angle Low-Twisted Nematic LCD Mode."
	S. Palmer, Applied Optics, Vol. 36, No. 10, April 1, 1997, pp. 2094-2100, "Liquid-Crystal Cell with a Wide Viewing Angle and a High Cell Contrast."
	Wei, Chung-Kuang et al., Proceedings of the Fourth Asian Symposium on Information Display (ASID), pp. 25-28 (1997) - "A 10.4-IN REFLECTIVE TYPE TFT-LCD USING MIXED-MODE TWISTED NEMATICS"
	Pancharatnam, S., Proceedings of the Indian Academy of Science, Vol. XLI, No. 4, Sec. A, pp. 130-144 (1955) - "ACHROMATIC COMBINATIONS OF BIREFRINGENT PLATES"
EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

COPY

PATENT
1248-467P

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: M. OKAMOTO et al.
Appl. No.: 09/403,487 Group: UNKNOWN
Filed: October 22, 1999 Examiner: UNKNOWN
For: REFLECTIVE LIQUID CRYSTAL DISPLAY DEVICE AND
REFLECTIVE LIQUID CRYSTAL DISPLAY DEVICE
INCORPORATING TOUCH PANEL ARRANGED THEREFROM

L E T T E R

Assistant Commissioner for Patents
Washington, DC 20231

February 10, 2000

Sir:

Under the provisions of MPEP § 2001.06(b), the Examiner is hereby advised of the following co-pending U.S. Applications:

<u>Appl. No.</u>	<u>Filing Date</u>	<u>Group</u>
09/186,640	November 6, 1998	2871
09/217,931	December 22, 1998	Unknown
09/403,869	October 28, 1999	Unknown
09/274,664	March 23, 1999	Unknown

The subject matter contained in the above-listed co-pending U.S. applications may be deemed to relate to the present application, and thus may be material to the prosecution of this instant application.

BEST AVAILABLE COPY

Appl. No. 09/403,487

The above-listed co-pending applications are not to be construed as prior art. By bringing the above-listed applications to the attention of the Examiner, Applicants do NOT waive any confidentiality concerning the above-listed co-pending applications or this application. See MPEP § 101. Furthermore, if said applications should not mature into patents, such applications should be preserved in secrecy under the provisions of 35 U.S.C. § 122 and 37 C.F.R. § 1.14.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fee required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

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TCB:DJD/pjh
1248-467P

(Rev. 01/08/2000)

COPY

PATENT
1248-0467P

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: Masayuki OKAMOTO et al.
Application No.: 09/403,487 Group: 2776
Filed: October 22, 1999 Examiner: Not Assigned
For: REFLECTIVE LIQUID CRYSTAL DISPLAY DEVICE
AND REFLECTIVE LIQUID CRYSTAL DISPLAY
DEVICE INCORPORATING TOUCH PANEL
ARRANGED THEREFROM

LETTER

Assistant Commissioner for Patents
Washington, DC 20231

August 2, 2001

Sir:

Under the provisions of MPEP § 2001.06(b), the Examiner is hereby advised of the following co-pending U.S. Application(s):

<u>Application No.</u>	<u>Filing Date</u>	<u>Group</u>
09/274,664	March 23, 1999	2871
09/887,442	June 25, 2001	
09/403,869	October 28, 1999	2871

The subject matter contained in the above-listed co-pending U.S. application(s) may be deemed to relate to the present application, and thus may be material to the prosecution of this instant application.

The above-listed co-pending application(s) is(are) not to be construed as prior art. By bringing the above-listed application(s) to the attention of the Examiner, Applicant(s) do(does) NOT waive any confidentiality concerning the above-listed co-pending

application(s) or this application. See MPEP § 101. Furthermore, if said application(s) should not mature into patents, such application(s) should be preserved in secrecy under the provisions of 35 U.S.C. § 122 and 37 C.F.R. § 1.14.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fee required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

Respectfully submitted,

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(Rev. 03/30/99)